

Title (en)

Treatment of solid containing material derived from effluent

Title (de)

Behandlung von aus Abwässer abgeleitete feststoffenthaltende Materialien

Title (fr)

Traitement de matériau contenant de solides, dérivé d'effluent

Publication

EP 0798268 A1 19971001 (EN)

Application

EP 97301717 A 19970313

Priority

GB 9606638 A 19960329

Abstract (en)

A method is described for the treatment of a solid containing material obtained from effluent from an industrial plant or process, eg. a plant for the de-inking of waste paper. Such effluent comprises an aqueous suspension of solids comprising organic material and inorganic particulate material. The inorganic particulate material contains a substantial amount of calcium carbonate and is likely also to contain kaolin or metakaolin. The solids may also contain carbon particles. The method includes subjecting the solid containing material to a heat treatment process such that the temperature is controlled to be maintained in the range 600 DEG C to 800 DEG C, preferably 600 DEG C to 750 DEG C, to cause burning of the organic material without decomposition of more than about 50% by weight, preferably not more than about 10% by weight, of the calcium carbonate present to produce a particulate calcium carbonate-containing inorganic material substantially free of organic material. The particulate product is preferably white and useful as a pigment or filler material, eg. in paper making. <IMAGE>

IPC 1-7

C01F 11/18; **D21H 17/67**; **D21H 19/64**; **D21C 5/02**

IPC 8 full level

B09B 3/00 (2006.01); **C01F 11/18** (2006.01); **C09D 7/12** (2006.01); **D21H 17/67** (2006.01)

CPC (source: EP US)

C01F 11/18 (2013.01 - EP US); **D21H 17/675** (2013.01 - EP US); **Y10S 210/928** (2013.01 - EP US)

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